

S/144/63/000/002/003/004
A055/A126

Device for observing amplitude-phase

number. The complex number is simulated by a luminous point on the screen. The distance of the point from the circular sweep center simulates the modulus and the angle simulates the argument. The author describes next a device for observing amplitude-phase characteristics, using this simulating circuit. In this device the phase shifter is replaced by the investigated four-pole. The circular sweep on the screen is obtained by means of a generator supplying two 90° -phase shifted voltages. The voltage producing the vertical deflection of the beam is used as the four-pole input signal. The four-pole output voltage consists of short pulses igniting the beam and controlling its brightness. The position of the bright point on the circle is determined by the phase-shift of the four-pole output voltage with respect to its input voltage. The horizontal sweep line is the complex plane real axis; the amplitude-phase characteristic phase angle is counted off this axis. To simulate the transmission coefficient modulus, it is necessary that the circular sweep radius be proportional to the four-pole output voltage (the input voltage being kept constant). This is achieved by means of the controlling amplifiers whose amplification factor is proportional to the four-pole output voltage. The phase shift between the input and output voltages, and also the output voltage of the four-pole vary with the

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Device for observing amplitude-phase

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input signal frequency. The sweep circle radius varies accordingly, as well as the position of the bright point, which gradually plots the hodograph of the transmission coefficient vector, i.e., the amplitude-phase characteristic of the four-pole. The circuit diagrams of the pulse converter, the controlling amplifiers and the variable frequency generator are reproduced and discussed. The advantages of the device described over the electromechanical devices are pointed out. There are 5 figures.

SUBMITTED: April 3, 1961

Card 3/3

PUSTYNNIKOV, Vasilii Grigor'yevich, kand.tekhn.nauk, dotsent

General principle of the analysis and calculation of bridge
circuits. Izv. vys. ucheb. zav.; elektromekh. 3 no.12:88-97
'60. (MIRA 14:5)

1. Zaveduyushchiy kafedroy obshchey elektrotekhniki Rostovskogo
instituta sel'skokhozyaystvennogo mashinostroyeniya.
(Bridge circuits)

PUSTYNNIKOV, V.G.

Generalized methods for calculating mutual and input conductances
of single measuring bridge circuits. Izv. tekhn. no. 5:25-27 My '61.
(MIRA 14:5)

(Bridge circuits)

ANISIMOV, S.D.; PUSTYNNIKOV, V.G.

Temperature compensation of a transducer used in testing materials
by the method of eddy currents. Priborostroenie no.9:31 S '64.
(MIRA 17:11)

4436?
S/044/62/000/012/032/049
A060/A000

16. (500)
AUTHORS: Podol'skiy, Ye.N., Pustynnikov, V.I.

TITLE: On the matrix method of investigating and solving a homogeneous system of ordinary linear differential equations with constant coefficients on electronic digital computers

PERIODICAL: Referativnyy zhurnal, Matematika, no. 12, 1962, 32, abstract 12V164 (Tr. Khar'kovsk. inzh.-stroit. in-ta, 1961, no. 17, 89 - 100) ✓

TEXT: For a system of differential equations with constant coefficients $\frac{dX}{dz} = AX$, it is proposed to find the solution $X(Z) = e^{A(Z-z_0)} X(z_0)$ at a point $Z = z_0 + m \Delta z$, by iterating m times the vector $X(z_0)$ with the aid of the matrix $e^{A \Delta z}$. It is asserted (on the basis of experience) that on account of the great uniformity of the computational formulae this method is even more precise than the methods of Adams and of Runge-Kutta and, when using an electronic digital computer, it leads to the result more directly and quickly than the method connected with the full spectral expansion of the matrix A . Here, in order to

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On the matrix method of investigating and

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decrease the number of arithmetic operations and the errors connected with them it is proposed to find $e^{A(Z-z_0)} = [e^{A\Delta z}]^m$ by computing successively $e^{2A\Delta z}$, $e^{4A\Delta z}$, $e^{8A\Delta z}$, To estimate the error of calculation of $e^{A\Delta z}$ the authors make use of the inequality

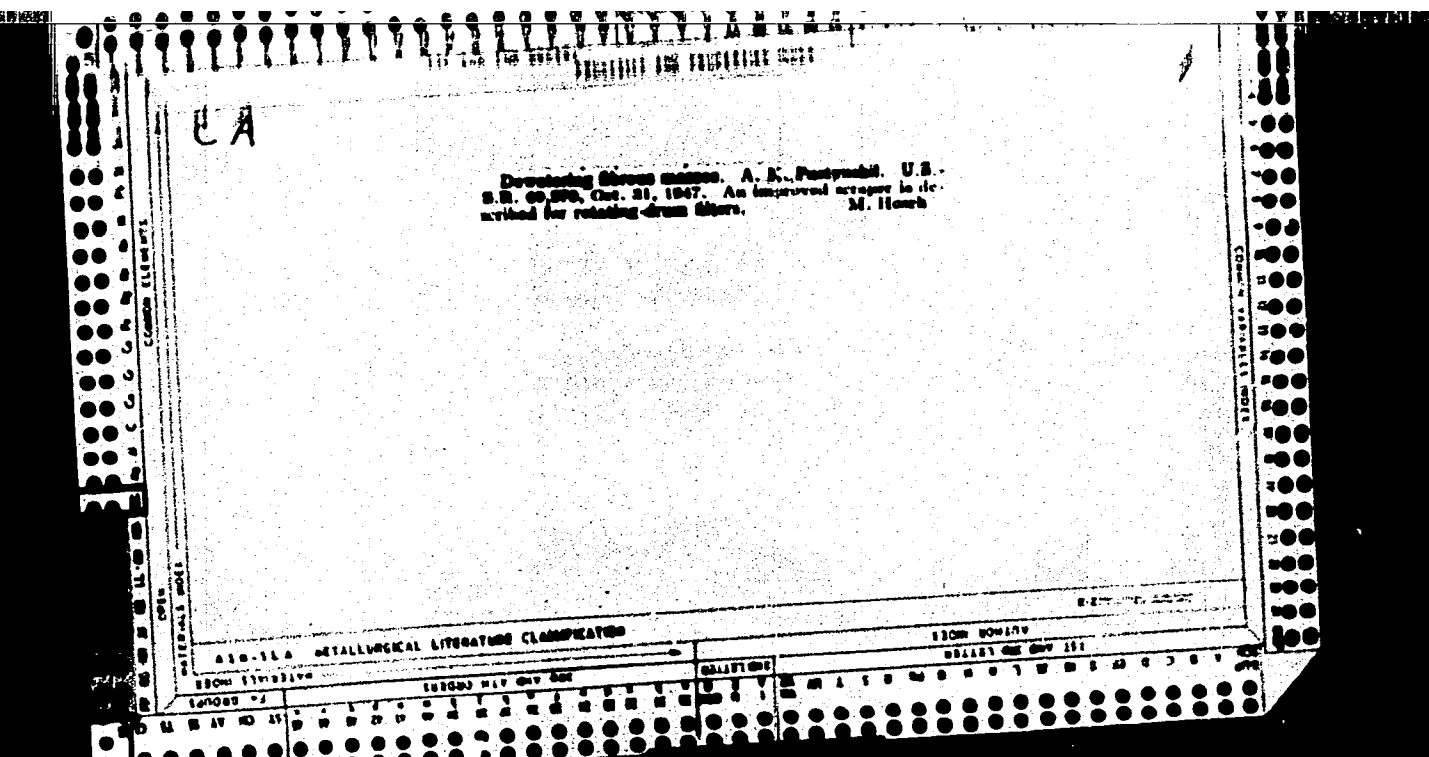
$$\left\| e^B - \sum_{j=0}^k \frac{B^j}{j!} \right\| \leq \frac{\|B\|^{k+1}}{(k+1)!} \frac{1}{1 - \frac{\|B\|}{k+2}},$$

which holds for $\|B\| < k + 2$, and the system of estimates of the errors of arithmetic operations of the computer "Ural-1", given in the article. It is noted that in the course of computing the successive powers of the matrix e^A it is possible to draw conclusions as to the stability in the first approximation, since if all the eigenvalues of the matrix A lie in the left half-plane then all the eigenvalues of the matrix e^A lie in the unit circle.

V.S. Shishov

[Abstracter's note: Complete translation]

Card 2/2



PUSTYNSKIY, A.K., konstruktor.

On a new paper drying method. Bum.prom.30 no.3:22 Mr '55.
(MIRA 8:4)

1. Balakhninskiy tsellyulozno-bumazhnyy kombinat.
(Papermaking machinery) (Drying apparatus)

PUSTYNSKIY, A.K.

Repair of steam engine cylinder covers. Bum.prom.30 no.9:25
S'55. (MIRA 8:12)

1. Konstruktor Balakhninskogo tsellyulozno-bumazhnogo kombi-
nata
(Steam engines--Maintenance and repair)

PUSTYNSKIY, A.K.

Crushing sulfate glue before brewing. Bun.prom.30 no.5:26
My '55. (MLRA 8:8)

1. Balakhninskiy tsellyulozno-bumazhnyy kombinat
(Glue) (Sizing (Paper))

PUSTYNSKIY, P.; LIBMAN, S.

Overall revision of machine-tractor stations. *Ism.tekh.no.4:49*
Jl-Ag '55. (MLRA 8:10)

(Machine-tractor stations)

DOROKHOV, A.P., inzh.; YEL'NIK, A.G., inzh.; PUSTYNSKIY, G.I., inzh.

"Andizhan"-type, loose-bulk cargo vessels. Sudostroenie 25 no.7:1-3
J1 '59. (MIRA 12:12)

(Freighters)

PUSTYNSKIY, G.I.

Characteristics of the main power plant on the motorship
"Volgoles." Inform. sbor. TSNIIMF no.68. Tekh. ekspl.mor.flota
no.11:3-14 '61. (MIRA 15:9)
(Marine diesel engines)

YEL'NIK, A.G., inzh.; PUSTYNSKIY, G.I., inzh.

Some structural characteristics of freighters for sailing
in the Arctic regions (from foreign publications). Sudostroenie
25 no.9:59-61 S '59. (MIRA 12:12)
(Freighters--Cold weather operations)
(Arctic Ocean--Navigation)

YEL'NIK, A.G., inzh.; PUSTINSKIY, G.I., inzh.; KHROMYKH, V.A., inzh.

Ships of the "Ugleural'sk" type. Sudostroenie 26 no. 3 (200) 1-4
(MIRA 14:11)

(Freighters)

Pustynskiy, I. M.

А. Н. Калаш

Исследование влияния свойств акустического сигнала на эффективность действия акустического оружия

4. СЕРИЯ ПРИМЕНЯЕМЫХ УСТРОЙСТВ

Руководитель: И. М. Пустынский

12 стр.

(с 10 до 16 часов)

М. Г. Глушкова,

Д. Т. Рязанов,

И. С. Тарасов

Применение устройств для измерения статистических характеристик сигнала при трансформации распределения

Ю. Н. Бабанов

Исследование влияния параметров сигнала на эффективность работы систем связи

В. В. Рязанов

Метод определения параметров принимаемого сигнала в системах связи

12 стр.

(с 16 до 22 часов)

16

В. Н. Шенников

О применении конструктивных особенностей при проектировании устройств

И. А. Сидоров,

А. Н. Сидоров

Исследование влияния конструктивных особенностей на характеристики устройств с коррелирующей связью в цепи сигнала и с коррелирующей связью в цепи шума

И. Н. Шенников

Исследование влияния конструктивных особенностей на характеристики устройств с коррелирующей связью в цепи сигнала и с коррелирующей связью в цепи шума

И. Н. Шенников

Об исследовании влияния конструктивных особенностей на характеристики устройств с коррелирующей связью в цепи сигнала и с коррелирующей связью в цепи шума

И. Н. Шенников,

И. Н. Шенников

Исследование влияния конструктивных особенностей на характеристики устройств с коррелирующей связью в цепи сигнала и с коррелирующей связью в цепи шума

5. СЕРИЯ ПРИМЕНЯЕМЫХ УСТРОЙСТВ

Руководитель: И. М. Пустынский

9 стр.

(с 10 до 16 часов)

report submitted for the Centennial Meeting of the Scientific Technological Society of Radio Engineering and Electrical Communications in A. S. Popov (VSEI), Moscow, 6-12 June, 1959

05210
SOV/142-2-3-18/27

9(2,3)
AUTHOR:

Pustynskiy,  N.

TITLE:

The Transistor Terminology

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, 1959, Vol 2, Nr 3, pp. 375-376 (USSR)

ABSTRACT:

The author refers to the article by T.M. Agakhanyan, B.N. Kononov and I.P. Stepanenko, titled "The Terminology in the Field of Transistor Electronics", published in Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, 1958, Vol 1, Nr 4. The author recommends not to use the term "tranzistor" (transistor). Furthermore, diodes should be called either "tochechnyy diod" (point-contact diode) or "ploskostnyy diod" (junction diode) and the word "poluprovodnikovyy" (semiconductor) may be left out entirely. The author suggests a more accurate representation of transistor types in circuit diagrams. He recommends using 6 symbols as shown in fig.1. Further, transistor parameter designations and symbols for formulas were considered. Engineers P. Usol'tsev, Yu. Zhukov, G. Malyshev and assistant A. Kuz'min participated in compiling this article. There is 1 set of circuit diagram symbols.

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The Transistor Terminology

ASSOCIATION: Kafedra teoreticheskikh osnov radiotekhniki Tomskogo politekhnicheskogo instituta (Chair of Theoretical Principles of Radio Engineering of the Tomsk Polytechnic Institute).

SUBMITTED: February 2, 1959

Card 2/2

PUSTYNSKIY, I. N.

5615/105 · POLYMER INC & BATH · 5615/105

Научно-техническое общество радиоэлектроники и электромеханики
А.А. Попов

100 let so dny rozhdeniya A.S. Nopova; publikatsiya sestiya (Osn hundredth Anniversary of the Birth of A.S. Nopov; Anniversary Session) [Moscow] Izdatel AN SSSR, 1968.-XII p. Brvata elly inserted. 2,500 copies printed.

Symposium Agency: Atlanta, GA 30303.

Chief Ed.: A. L. Mittle, Academician; Editorial Board: G. D. Burden, A.S. Volpert, I. Ye. Geras, L. G. Ostenshaber, I. I. Gerashev, S. D. Deryabov, L. A. Zaslavskii, S. A. Belyav, M. S. Berman, V. I. Shifrov and V. I. Chistyakov; Ed. of Publishing House: L. V. Gerasim; Tech. Ed.: S. D. Muravinskii.

REMARKS: This collection of reports is intended for scientists and technicians working in radio engineering and telecommunications.

REMARKS: The reports included in this collection were submitted at the scientific meeting held in 1959 by the Moscow-Prague chemistry colloquium at the electrochemical laboratory in A.S. Popov (Scientific and Technical Society of Radio

[illegible]

San Francisco and vicinity. (Cont.)

Khram'ev, Ya.K. Approximation Method of Solving the Integral Equation of Current in a Cylindrical Vibrator 93

Thibaw, A.H.: Method of Measuring Antenna Directive Gain For Small Distances 103

Seleznev, Yu.N. Utilization of Signal Phase Predictions For Improving the Robustness Features of a Communication System

Shcherba, V.P. Concerning the Principles of Designing Multistage
Broadband and Pulse Amplifiers With Compensation

Instantly, I, L. Correction of Pulse-Form Distortions in Video

James, S.S., Regrostrictive Filters For Multichannel Long-Distance

elyeth, B.V. Concerning the Sign of Characteristic Parameters of Symmetrical Four-Poles, Particularly Those Containing Negative

1/0

89679

9.2520 (2902, 1139, 1154)
6.6000 (3502, 1159)

S/187/60/000/009/001/001
A189/A026

AUTHOR: Pustynskiy, I.N.

TITLE: Correction of Pulse-Front Distortions in Transistorized Video Amplifiers by Inductance in the Load Circuit

PERIODICAL: Tekhnika kino i televideniya, 1960, No. 9, pp. 46 - 49

TEXT: The author analyzes a single-stage video amplifier containing a junction transistor with a parallel correction circuit of the pulse front distortions, taking into account the transistor inertness in the collector circuit. The purpose of this work is to facilitate the engineer's design of transistorized video amplifiers. Starting with the basic circuit of a transistorized video amplifier, shown in Figure 1 with its equivalent circuit, the author derives formulas for calculating the correction inductance and the building-up time of the pulse front at different overshoots. Figure 4 shows an experimental setup on which the formulas were tested. The results indicate a deviation not exceeding 15% between the theoretical calculations and the data obtained experimentally. In conclusion, the author states that the correction of front pulse distortions in transistorized video amplifiers by means of a conductance in the load circuit, increases with the rela-

cx

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S/187/60/000/009/001/001
A189/A026

Correction of Pulse-Front Distortions in Transistorized Video Amplifiers by Inductance in the Load Circuit

tive inertness of the transistor. Contrary to tube video amplifiers, the overshoot of an analogous transistorized circuit may occur under all three conditions of the transient characteristic, i.e.: oscillating, critical, and aperiodical one, depending on the inertness factor. There are 4 figures, 1 table and 1 Soviet reference.

ASSOCIATION: Tomskiy politekhnicheskii institut (Tomsk Polytechnic)

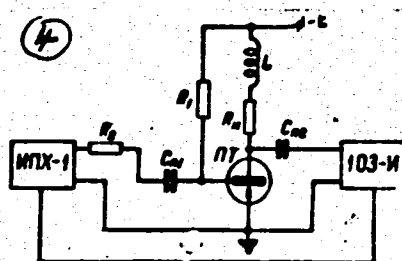
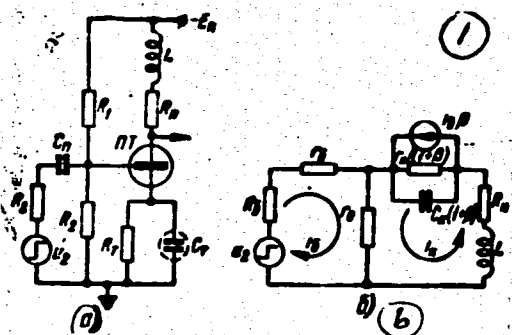
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S/187/60/000/009/001/001
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Correction of Pulse-Front Distortions in Transistorized Video Amplifiers by Inductance in the Load Circuit

Figure 1: a) Basic circuit of transistorized video amplifier; b) equivalent circuit of same
Figure 4: Experimental arrangement



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E192/E382

7.5.10

AUTHOR: Pustynskiy, I.N.

TITLE: High-frequency Compensation of Transistor Video Amplifiers by Means of RC Feedback in the Emitter Circuit

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, 1960, Vol. 3, No. 5, pp. 502 - 508

TEXT: The RC feedback compensation of transistor video amplifiers appears to have many advantages and the system is therefore investigated in detail. The basic amplifier stage is shown in Fig. 1a and its equivalent circuit is given in Fig. 1b. For the purpose of analysis it is assumed that:

- 1) the stage operates with small input signals;
- 2) the emitter impedance r_e is practically independent of frequency;
- 3) the impedances r_b , r_e and r_k are frequency-independent;
- 4) the current gain is $\beta = \beta_0 / (1 + j\omega r \beta)$ where β is

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a constant.

$R_L = R_1 \parallel R_2$ is the equivalent impedance of the generator,

$R_C C_C$ is the compensating network, whose time constant is τ .

From the theory (Ref. 5 Frokhimenko, Ya.K. - Radiotekhnika, 1956, Vol. 11, No. 9, 45), it is known that the gain of an amplifier in the presence of feedback is $K_u = K_u^0 / A$, where

K_u^0 is the gain of the amplifier without feedback and

$A = F/M$ is the feedback factor, $F = \Delta/\Delta^0$ is the return difference and Δ and Δ^0 are the determinants of the matrix of the Z-parameters of the system with and without the feedback element, respectively, $M = 1 + Z/Z_{21}$ is a

parameter taking into account the effect of the feedback on the transistor parameter Z_{21} of the matrix,

$Z = r_e + R_C / (1 + j\omega\tau_C)$ and $Z_{21} = Z_K \beta / (1 + \beta)$. If the load is purely ohmic R_H the gain of the system can be

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written as:

$$K_u = K_{u0} \frac{1 + j\Omega a_1}{1 + j\Omega b_1 + (j\Omega)^2 b_2} \quad (1)$$

where

$$a_1 = m; \quad (1a)$$

$$b_1 = \frac{1}{a_{oe}} [1 + m a_e + m_n (a_{oe} - 1)]; \quad (1b)$$

and:

$$b_2 = \frac{m}{a_{oe}} [1 + m_n (a_e - 1)] \quad (1b) .$$

The remaining symbols in the above equations are

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$\Omega = \omega \tau_{kf}$, $m = \tau_o / \tau_{k\beta}$ is the compensation parameter.
 $m_n = \tau_o / \tau_{k\beta}$ is the compensation parameter corresponding
 to the "monotonic boundary" of the transient characteristic;
 $\tau_{k\beta}$ is the equivalent transfer constant of the base current,
 a_o is the internal feedback factor at medium frequencies,
 a_{oe} is the general feedback factor of the amplifier at
 medium frequencies due to resistances R_o and r_o ,
 $\tau_n = C_k(R_H + R_o + r_o)$ and $k_1 = R_H / r_K(1 + \beta_o)$. The
 modulus of the transfer function of the system is given by:

$$\left| \frac{K_u}{K_{uo}} \right| = \sqrt{\frac{1 + \Omega^2 a_1^2}{1 + \Omega^2 (b_1^2 - 2b_2) + \Omega^4 b_2^2}} \quad (2)$$

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from which it follows that the optimum compensation occurs at:

$$a_1^2 = b_1^2 - 2b_2 \quad (3) .$$

The value of m which gives the optimum frequency characteristic is therefore given by:

$$m_1 = \frac{-(1 - m_n) + \sqrt{(1 - m_n)^2 + [1 + m_n(a_{oe} - 1)]^2 \frac{a_{oe} + a_e}{a_{oe} - a_e}}}{a_{oe} + a_e} \quad (4) .$$

This equation is not suitable for calculations and it is therefore represented graphically in Fig. 2; the solid lines are for $a_e = 1$, while the dotted curves are for $a_e = 2$.

The transient response of the stage can be written as:

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$$h(L) = 1 + \lambda \frac{m\lambda - 1}{\lambda - \nu} e^{-\nu\tau} - \nu \frac{m\lambda - 1}{\lambda - \nu} e^{-\lambda\tau} \quad (9)$$

where:

$$\nu = \frac{b_1 - \sqrt{b_1^2 - 4b_2}}{2b_2}$$

$$\lambda = \frac{b_1 + \sqrt{b_1^2 - 4b_2}}{2b_2}$$

$$\tau = \frac{t}{\tau_{u3}}$$

(9a) .

The transient response is monotonic if:

$$m = m_n$$

(10) .

The theory was verified experimentally and it was found that
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the calculated results and the experimental data diverged by less than 20%. From the investigation it is concluded that the optimum compensation for the transient response is independent of the cut-off frequency of the transistor. On the other hand, the optimum compensation of the frequency response is a complicated function of various parameters. There are 4 figures, 1 table and 4 Soviet references.

ASSOCIATION: *teoreticheskikh osnov radiotekhniki*
ordena Trudovogo Krasnogo Znameni
inzhenernogo instituta im. S.M. Kirova
Chair of Theoretical Principles of Radio-
engineering of Tomsk "Order of the Red Labour
Banner" Polytechnical Institute im. S.M. Kirov)

SUBMITTED: January 22, 1960 (initially)
March 25, 1960 (after revision)

Card 7/8

L 52608-65 EWT(1)/EEG(1)-2/T/EEG(b)-2/EWA(h) Pm-4/Pz-6/Peb/Pj-4 IJP(c)
ACCESSION NR: AT5009812 GS UR/0000/64/001/000/0160/0164

AUTHOR: Pustynskiy, I. N. (Tomsk) 31
36
3

TITLE: Tunnel-diode-type pulse expander 25

SOURCE: Vsesoyuznaya konferentsiya po avtomaticheskomu kontrolyu i metodam elektricheskikh izmereniy. 4th, Novosibirsk, 1962. Avtomaticheskoy kontrol' i metody elektricheskikh izmereniy; trudy konferentsii, t. 1: Metody elektricheskikh izmereniy. Tsifrovyye izmeritel'nyye pribory. Elementy izmeritel'nykh sistem (Automatic control and electrical measuring techniques; transactions of the

160-164

TOPIC TAGS: expander, pulse expander

ABSTRACT: As the transistor-type pulse expander (PE) has a rather long output-pulse rise time and as the size of a vacuum-type PE is rather large, a PE using the tunnel diode as its fundamental element is suggested. This miniature PE promises a pulse rise time of a few nanoseconds. The tunnel-diode PE may be triggered by either positive or negative pulse depending on the segment of the diode current-voltage characteristic used. Formulas for the output-pulse duration

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ACCESSION NR: AT5009812

for both cases are developed; an experimental verification is claimed. "In conclusion, the author wishes to thank V. A. Shalimov who performed a considerable part of the experimental work." Orig. art. has: 5 figures and 24 formulas.

ASSOCIATION: none

SUBMITTED: 25Sep64

ENCL: 00

SUB CODE: EC

NO REF SOV: 001

OTHER: 002

Card ¹⁰¹ 2/2

ACCESSION NR: AR4028228

S/0274/64/000/002/B057/B058

SOURCE: RZh. Radiotekhnika i elektrosvyaz'. Abs. 2B382

AUTHOR: Pasty*nskiy, I. N.

TITLE: Junction transistors as reactance elements

CITED SOURCE: Tr. Tomskogo in-ta radioelektron. i elektron. tekhn.,
v. 1, 1963, 74-78

TOPIC TAGS: reactive transistor, inductive transistor, capacitive
transistor, equivalent reactance, equivalent reactance variation,
transfer conductance

TRANSLATION: Two cases are considered: a reactive transistor which
is the equivalent of a capacitance (C), and a reactive transistor
which is the equivalent of an inductance (L). It is shown that it
is possible to vary the equivalent reactance by varying the input

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current or voltage. The frequencies of which the reactive transistor can represent an equivalent inductance or an equivalent capacitance usually lie in the range $f \leq (0.3--0.5) f_{\beta}$. In order for the apparent L or C of the transistor to depend to a great degree on the transfer conductance of the transistor, it is desirable to have $R_b \ll h_{11}$ and $R_b \ll h_{11}/(1 + \beta_0)$, where R_b is the resistance in the base circuit and β_0 is the low-frequency base current gain. Bibliography, 3 titles. V. L.

DATE ACQ: 30Mar64

SUB CODE: GE

ENCL: 00

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PUSTYNSKIY, I.N.

Parallel circuit of the correction of high-frequency distortions
in transistor video amplifiers. Izv. TPI 105:167-170 '60.

(MIRA 16:8)

1. Predstavleno nauchnym seminarom radiotekhnicheskogo fakul'teta
Tomskogo ordena Trudovogo Krasnogo Znameni politekhnicheskogo
instituta imeni Kirova.

(Transistor amplifiers)

PUSTYNSKIY, I.N.

Quality factor of transistors for video amplifiers. Izv. TPI
105:171-172 '60. (MIRA 16:8)

1. Predstavleno nauchnym seminarom radiotekhnicheskogo fakul'teta
Tomskogo ordena Trudovogo Krasnogo Znameni politekhnicheskogo
instituta imeni Kirova.
(Transistors)

PUSTYNSKIY, I.N.; USOL'TSEV, F.M.

High-frequency correction in transistor video amplifiers. Izv.
TPI 105:149-157 '60. (MIRA 16:8)

1. Predstavleno nauchnym seminarom radiotekhnicheskogo fakul'teta
Tomskogo ordena Trudovogo Krasnogo Znameni politekhnicheskogo
instituta imeni Kirova.

(Transistor amplifiers)

VERKHUNOV, P.M., kand. sel'skokhoz. nauk; FADEYEV, M.C., nauchnyy
sotrudnik; PUSTYNSKIY, V.M., nauchnyy sotrudnik

Stand structure classification of timber bases in Krasnoyarsk
Territory. Trudy VSNIPILesdrev no.11:49-56 '64. (MIRA 18:11)

L 04544-67 EWT(m)/T FDN/WE/GD
 ACC NR: AT6015191 (A,N) SOURCE CODE: UR/0000/66/000/000/0018/0026
 AUTHOR: Gogitidze, L. D.; Makarenkov, V. V.; Panchenkov, G. M.;
Pustыrev, O. G.; Yakovlevskiy, V. V. 14
 ORG: none 1311
 TITLE: Method of evaluating combustion characteristics of hydrocarbon
fuels on a chamber type burner
 SOURCE: Metody otsenki ekspluatatsionnykh svoystv reaktivnykh topliv i
 smazochnykh materialov (Methods for the performance evaluation of jet
 propellants and lubricants). Moscow, Izd-vo Mashinostroyeniye, 1966,
 18-26
 TOPIC TAGS: petroleum fuel, combustion characteristic, combustion
 kinetics, combustion chamber test, gas turbine engine test
 ABSTRACT: The use of a small chamber type diffusion burner (see Fig. 1)
 for determining completeness of fuel combustion was evaluated. Total
 fuel consumption in the burner used, scaled down as much as possible
 while still simulating the combustion chamber in a gas turbine engine,
 was only 150-200 ml per run. Completeness of combustion was determined
 with an accuracy of better than 2.5%. There is qualitative agreement
 between these results and those obtained in an actual gas turbine engine
 chamber. Orig. art. has: 4 figures and 1 table.
 Card 1/2 UDC: 662.753.22:629.13.001.4

L. On Sub-6

ACC NR: AT6015191

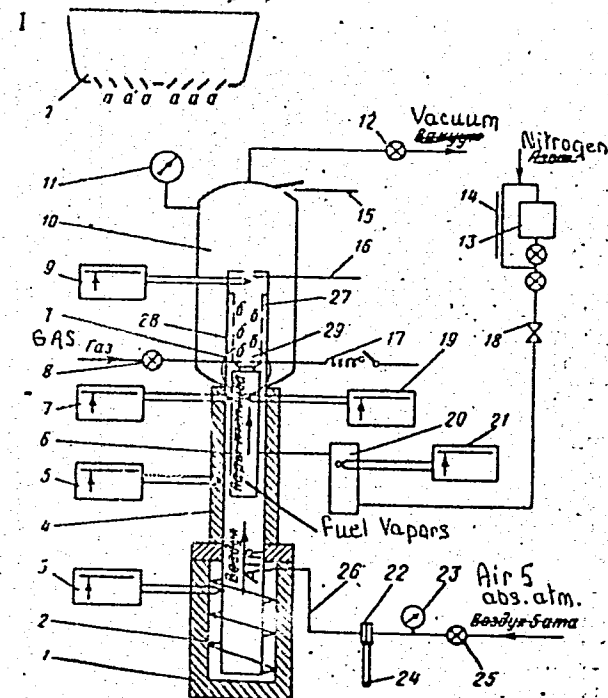


Fig. 1. Diagram of chamber type diffusion burner installation:
 1--electric furnace, 2--coil, 3--thermostat, 4-- electric tape, 5--thermostat, 6--fuel evaporator, 7--thermostat, 8-- gas valve from supply line, 9-- thermostat, 10-- pressure chamber, 11--vacuum gage, 12--regulator valve, 13-- fuel tank, 14--microburette, 15--safety valve, 16--thermocouple, 17-- ignition coil with electrode for igniting fuel, 18--regulator valve, 19--thermostat, 20--electric furnace, 21--thermostat, 22--measuring nozzle, 23--manometer, 24--piezometer, 25--air valve, 26--air feed from compressor, 27-- fire tube, 28--fire tube mantle, 29--burner.

Card 2/2 SUB CODE: 21, 14/ DATE SUBM: 10Dec65/ ORIG REF: 004

LYALYUTSKAYA, Ye., nauchnyy sotrudnik; GAYNANOVA, S., aspirantka;
PUSVASHKITE, O. [Pusvaskyte, O.], aspirantka

Garden pests feeding on leaves. Zashch. rast. ot vred. i bol.
MO no.12:26-27 '65. (MIRA 19:1)

1. Odesskaya sel'skokhozyaystvennaya opytная stantsiya (for
Lyalyutskaya). 2. Saratovskiy sel'skokhozyaystvennyy institut
(for Gaynanova). 3. Litovskaya sel'skokhozyaystvennaya akademiya
(for Pusvashkite).

PUSYRYEV, S. A.

USSR/General Problems.

A-

Abs Jour : Ref Zhur - Khimiya, No 10, 1957, 33404

Author : Pusyryev, S.A.

Inst : Central Res. Inst. of Cellulose and Paper Ind.

Title : Twenty five Years of the Central Research Institute of
Cellulose and Paper Industry.

Orig Pub : Nauchn. tr. tsentr. N.-I. in-t tsellyulozn. i bum. peom-
sti, 1956, vyp. 41, 3-10.

Abstract : No abstract.

Card 1/1

PUSYREVSKAYA, T.N., kand. tekhn. nauk

Engineering and geological evaluation of chalks as a basis for
hydretechnical structures. Izv. VNIIG 47:57-71 '52.

(Chalk) (Hydraulic engineering)

(MIRA 12:6)

KONYVES-KOLONICS, L.; SZAK, J.; PUSZAK, I.

Pathology of polyinsular sclerosis. IV. Tryptin content of the
blood plasma in polyinsular sclerosis. Zschr. Nervenhe. 6 no.1:
49-53. (CML 24:2)

1. Of the Neuro-Psychiatric Clinic (Head--I. Huszak, M.D.) of
Szeged University.

PUSZCZYK, Wladyslaw, mgr inz.

Methods of organizing the areas of socialist farming
enterprises in the Soviet Union. Pt. 2. Przegl geod 35
[i.e. 36] no. 3:94-97 Mr '64.

L 41203-66 EWT(m)

ACC NR: AT6018307

(N)

SOURCE CODE: PO/2535/64/000/017/0123/0125

AUTHOR: Swierzawski, Tadeusz (Doctor, Engineer); Puszer, Andrzej (Master engineer)

ORG: [Swierzawski] Laboratory of Nuclear Energy, Department of the Theory of Heating Installations, Silesian Polytechnical Institute (Zaklad Energetyki Jadrowej Katedry Teorii Maszyn Ciepnych Politechniki Slaskiej); [Puszer] Department of Measurement and Automation of Power Devices, Silesian Polytechnical Institute (Katedra Miernictwa i Automatyki Urzadzen Energetycznych Politechniki Slaskiej)

TITLE: An analog computer for studying the kinetics of nuclear reactors

45
19 0+1

SOURCE: Gliwice. Politechnika Slaska. Zeszyty naukowe, no. 123, 1964. Energetyka, no. 17. III Sesja Naukowa, 27-28 listopada 1964 r., 123-125

TOPIC TAGS: nuclear reactor core, computer application, analog computer

ABSTRACT: The authors give the basic principles of an analog device for solving a system of differential equations describing the behavior of a nuclear reactor with respect to time. Systems of this type are difficult to solve, especially when the reactivity varies with time. The proposed device may be used for solving problems involving six groups of delayed neutrons, or may alternatively be programmed for a simplified equation with a single group of delayed neutrons. The proposed computer may be used in studying high-power reactors where the maximum neutron density in the

Card 1/2

L 41203-66

ACC NR: AT6018307

core may reach 10^{15} n/cm³. The voltage at the output of the operational amplifier is proportional to neutron density. This voltage has a range of 0-100 v. The full scale is used in six ranges for readings from 10^3 to 10^{15} n/cm³. In addition to the operational amplifiers, the computer contains modulation circuits, a control unit, automatic scale adjustment, a recording unit and power supply. The computer has been used in a number of experiments involving subcritical and supercritical reactor conditions as well as for studying starting and stopping of chain reactions.

SUB CODE: 09, 18/ SUBM DATE: none/ ORIG REF: 002/ OTM REF: 001

Card 2/2 hs

FUSZKAILER, L.

Some specific elements in the work of the outpatient psychiatrist of the Czechoslovak railroads. Acta nerv. sup. (Praha) 6 no.4: 410-411 '64.

1. Psychiatricke ambulance UZZ, Ostrava.

PUSZKIEWICZ, Arnold, mgr inz.

Working conference of the Section of Sulfuric Acid and Phosphorous
Fertilizers of the Scientific Council of the Institute of
Inorganic Chemistry. Chemik 15 no.7/8:285-286 J1-Ag '62.

PUSZKIEWICZ, Arnold, mgr inz.

The chemical industry of Great Britain. Chemik 16 no.7/8:
205-210 J1-Ag '63.

HUNGARY

IZINGER, Endre, Dr, PUSZTAI, Dezso, Dr, LANGER, Gyula, Dr; Health Service of the Hungarian People's Army (Magyar Nephadsereg Egyszsegu gyi Szolgalata).

"The Role of Cortisone in the Treatment of Experimental Peritonitis."
Budapest, Orvosi Hetilap, Vol 104, No 22, 2 June 63, pages 1026-1027.

Abstract: [Authors' Hungarian summary] The authors tested the effect of cortisone on guinea pigs during experimental peritonitis produced by colon resection. They have concluded that the use of cortisone - along with a previous broad spectrum antibiotic treatment - is only advised in such cases of severe diffuse peritonitis where vascular collapse is imminent. 1 Hungarian, 8 Western references.

1/1

Pusztai, R.
31. Investigation of the vitamin B₆ group and of some derivatives by paper chromatography — A. Pusztai. (*Magyar Kémiai Folyóirat* — Vol. 60, 1954, No. 11, pp. 323-326, 3 figs., 2 tabs.)

Cii

A method was developed for the investigation of the compounds of the vitamin B₆ group and some of its derivatives by paper chromatography. The separation of the simple members of the vitamin B₆ group, of their phosphorylated and other derivatives was carried out in the same run by using an ethyl acetate-water-pyridine mixture (1:1:1) as a developing solution. Since the compounds show intense fluorescence the spots could be

detected under ultraviolet light. A modified Hanes-Ishervowl method was employed to establish whether the spots showing fluorescence contained organically linked phosphorus. The chromatograms were photographed in a dark room by using transmitted ultraviolet light. Exposure times varied between 10 to 25 seconds. No relation was found between the intensity of the spots and the concentration of the substances as the emulsions used were more sensitive to blue fluorescence than to the violet fluorescence of the spots.

Pusztai, A.

V Citrulliniminase, a new crystalline pyridoxal protein.
M E. T. Szorényi, P. Elodi, B. Szorényi, and A. Pusztai
D (Ungar. Akad. Wiss., Budapest). *Acta Physiol. Acad. Sci. Hung.* 7, 103-5 (1955) (in German).—Fine needles of citrulliniminase (1.8 g.) (I) with 1200-fold activity were isolated by $(\text{NH}_4)_2\text{SO}_4$ fractionation from 1 kg. of crayfish (*Pelamobius asellus* or *P. leptodactylus*) muscle. Pyridoxal-5-phosphate was required as a coenzyme in the conversion of citrulline to arginine in the presence of I and NH_4Cl at pH 9.1.
Edwin L. Sexton

③

EXCERPTA MEDICA Sec.2 Vol.10/7 Phy.Biochem. July 57

2775. PUSZTAI A. Inst. of Biochem., Hungarian Acad. of Scis, Budapest
Enzymatic synthesis of pyridoxalphosphate Acta physiol. Acad. Scient. hung.
(Budapest) 1956, 9/4 (381—391) Graphs 4 Tables 3

The synthesis of co-decarboxylase from pyridoxal and ATP by a dried cell suspension of *Str. faecalis* was followed by paper chromatography. On the basis of R_f value, absorption spectrum, chemical properties, and coenzyme activity in decarboxylation of tyrosine, the product formed is claimed to be pyridoxal 5'-phosphate.

Huang — New York, N.Y.

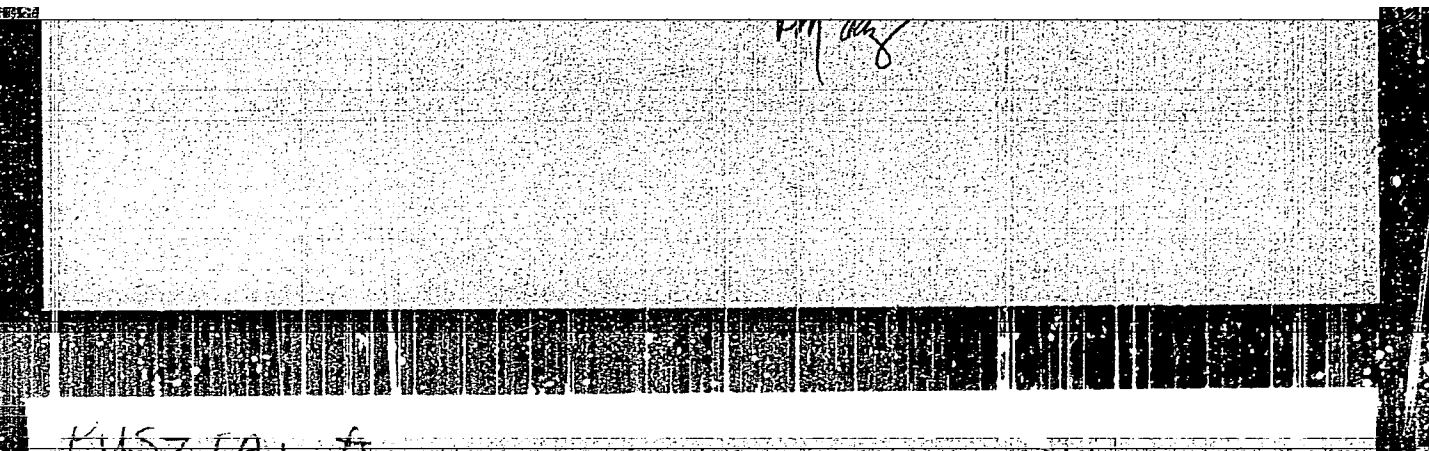
PUSZTAI, A.

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
Biological Chemistry

1 A polyaspartic acid from the thermocondensation of aspartic acid. J. Kovács, M. Könyves, and A. Pusztai (Univ. Budapest). *Experientia* 9, 459-60 (1953) in German.—The thermal autocondensation product of DL-aspartic acid was dissolved in 0.1N NaOH, and from this soln. the mixt. of free polyaspartic acids was obtained as slightly sol. Cu(II) salts. Comps. with low mol. wts. were removed by dialysis. Lyophilization yielded an almost colorless H₂O-sol. substance with pos. biuret and ninhydrin reactions. This polypeptide had a mol. wt. of about 8200 and the probable structure $\text{HO}_2\text{C}(\text{H}_2\text{N})\text{CHCH}_2\text{CO}[\text{NHCH}(\text{CO}_2\text{H})\text{CH}_2\text{CO}]_n\text{NHCH}(\text{CO}_2\text{H})\text{CH}_2\text{CO}_2\text{H}$. D. S. Farner

"APPROVED FOR RELEASE: 06/15/2000

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APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343710003-9"

FISZTAT, A.

Paper chromatographic examination of the vitamin B₆ group and some of its derivatives. p. 323. (MAGYAR KEMIAI FOLYOIRAT). Vol. 60, No. 11, Nov. 1954.
(Budapest, Hungary)

SO: Monthly List of East European Accessories, (EEAI) 1C, Vol. 4, No. 5,
May 1955, Uncl.

MANNINGER, I.; PLETZER, J.; RUSZTAI, A.

The influence of cultural methods on frost resistance and winter
hardiness of winter flax. Acta agronom Hung 10 no.3/4:415-441 '60.
(EAI 10:6)

1. Agricultural Research Institute of the Hungarian Academy of
Sciences, Martonvasar.
(Flax) (Frost)

PUSZTAI, A.

SZORENYI, E.; ELODI, P.; SZORENYI, B.; PUSZTAI, A.

Citrulliniminase as a new crystalline pyridoxal protein; preliminary communication. Acta physiol.hung. 7 no.1-2:163-166 1955.

1. Biochemisches Institut der Ungarischen Akademie der Wissenschaften, Budapest.

(ENZYMES,

citrulline-arginine enzyme)

PUSZTAI, Antal

Effect of plastic foil mulch on the soil and plants. Agrochem
talajtan 12 no.3:351-360 0 '63.

1. Magyar Tudományos Akademia Talajtani es Agrochemiai Kutato
Intezete, Budapest.

PUSZTAI, B.

"Can Net Production be Introduced as an Index for Planning." p. 20
(TOBBTERMELES. Vol. 8, No. 12, Dec. 1954; Budapest, Hungary.)

So: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 4
April 1955, Uncl..

PUSZTAI, B.

PUSZTAI, B. Short report on the experiments in process in the Factory of Transportation Equipment. p. 22.

Vol. 10, No. 10, Oct. 1956.

TOBBTERMELES

TECHNOLOGY

Budapest, Hungary

So: East European Accession, Vol. 6, No. 2, Feb. 1957

PUSZTAI, Dezso, dr.

Invagination of the small intestine caused by Meckel's diverticulum
in an adult. Magy. sebeszet 16 no.3:175-157 Je '63

Magyar Honhadserg Egesezugyi Szolgalatanak kozlomenye.
(MECKEL'S DIVERTICULUM) (INTUSSUSCEPTION) (INTESTINE, SMALL)
(ABDOMEN, ACUTE)

IZINGER, Endre, dr.; PUSZTAI, Dezső, dr.; LANGER, Gyula, dr.

The role of cortisone in the treatment of experimental peritonitis.
Orv. hetil. 104 no.22:1026-1027 2 Je '63.

1. Magyar Nephadsereg Egyszsegugyi Szolgalata.
(PERONITIS) (CORTISONE) (STREPTOMYCIN)

HUNGARY

PUSZTAI, Dezso, Dr; Health Service of the Hungarian People's Army
(Magyar Nephadsereg Egeszsegugyi Szolgalata).

"Invagination of the Small Intestine Caused by Meckel Diverticulum."

Budapest, Magyar Sebeszet, Vol XVI, No 3, June 1963, pages 175-177.

Abstract: [Author's Hungarian summary modified] The author reports a case of invagination of the small intestine caused by Meckel diverticulum in a 20 year-old patient. Attention is called to the frequently recurring abdominal cramps of short duration in the anamnesis which led to the correct diagnosis. 6 Western, 7 Eastern European references.

ISTVAN, Lajos, dr.; PUSZTAI, Erzsébet, dr.

Blood supply for pediatric wards. *Gyermekegygyaszat* 7 no.10:
304-312 Oct 56.

1. Az Országos Verellato Szologalat (Igazgato-foorvos:
Sores, Balint, dr.) szombathelyi Alkospontjanak es a
szombathelyi megyei Korhaz (Igazgato-foorvos: Szvoboda, Jeno, dr.)
Vertransfusios Osztalyanak kozlemenye.

(HOSPITALS

pediatric wards, blood supply by using small bottles
for shipment from blood banks (Hun))

(BLOOD, PRESERVED

blood supply of hosp. pediatric wards, use of small
bottles for shipment (Hun))

PUSZTAI, Ferenc

History of grinding mill. Technika 9 no.2:11 F '65.

HUNGARY

PUSZTAI, Rozalia, BELADI, Ilona, BAKAI, Marta, MUCSI, Ilona, KUKAN, Eszter;
Medical University of Szeged, Institute of Microbiology (director: IVANOVICS,
G.) (Szegedi Orvostudományi Egyetem, Mikrobiológiai Intézet).

"Study of the Effect of Flavonoids and Related Substances I. The Effect of
Quercetin on Different Viruses."

Budapest, Acta Microbiologica Academiae Scientiarum Hungaricae, Vol XIII,
No 2, 1966, pages 113-118.

Abstract: [English article, authors' English summary modified] The effect
of quercetin on different viruses has been studied. Herpesvirus hominis,
Herpesvirus suis, type 3 of the parainfluenza virus and the Sindbis virus
were found to be sensitive to quercetin. The sensitivity of type 1 poliovirus
was moderate while types 2 and 3 of the poliovirus and types 3 and 4 of the
adenoviruses were completely resistant. Being active only against the extra-
cellular virus, quercetin was considered to have a virucidal effect. The
effect of morin on Herpes suis was identical with that of quercetin while
rutin was almost completely ineffective. 3 Hungarian, 14 Western references.
[Manuscript received 27 Oct 65.]

PUSZTAY, F.

The new products of Hungarian surveying instrument industry:
tachometer TA-D 1. Periodica polytech eng 4 no.2:207-215 '60.
(EEAI 10:4)

(Hungary--Tachymeter)

GAL, Pal; PUSZTAI, Ferenc

The Leipzig Fair, 1962. Technika 6 no.4:3 Ap '62.

PUSZTAI, F.; KELENTEY, B.; SZUCS, L.; SOLTASZ, J.

Chronic toxicity of volatile oil mixtures in rats. Kiserl.
orvostud. 15 no.5:449-452 0 '63.

1. Debreceni Orvostudományi Egyetem Gyógyszertani Intézete,
Korbonctani Intézete és a Debreceni Biológiai Gyógyszer-gyar.
(OILS, VOLATILE) (KIDNEY FUNCTION TESTS)
(LIVER FUNCTION TESTS) (HISTOLOGY)

HUNGARY

PUCZTAI, F., KELENTY, B., SZUCS, L., SOLTESZ, J.; Medical University of Debrecen, Institute of Pharmacology and Institute of Pathology (Debreceni Orvostudományi Egyetem, Gyógyszertani Intézet és Kóronctani Intézet) and Biogal Pharmaceutical Company (Biogal Gyógyszergyár), Debrecen.

"The Chronic Toxicity of a Volatile Oil Mixture in Rats."

Budapest, Kiserletes Orvostudomány, Vol XV, No 5, Oct 63, pages 449-452.

Abstract: [Authors' Hungarian summary modified] Large (0.338-1.014 g/kg of body weight) daily doses of a mixture of foeniculus, eucalyptus, terebinthinae rectificatum and helianthus oils have been fed to 50 young rats for 10-16 weeks in order to investigate their chronic toxicity. The body weight was measured weekly. Kidney and liver function tests and histological examinations of these organs were performed in the 10. and 16. week. The results indicated no kidney or liver damage in spite of the large doses used. 5 Eastern European, 16 Western references.

PUSZTAI, Ferenc

Automation of manufacturing telecommunication resistors. Technika
6 no.1:3 Ja '62.

PUSZTAY, F.

The new products of Hungarian surveying instrument industry.
Periodica polytechn eng 3 no.4:387-399 '59. (EEAI 9:7)
(Hungary--Surveying)

PUSZTAI, Ferenc

How does the pneumatic brake system of railroads operate?
Elet tud 15 no.17:514 24 Ap '60.

PUSZTAI, Gyula, dr.

Validity of the fundamental decisions by the Hungarian
Patent Office. Ujit lap 15 no.13:11 25 S '63.

PUSZTAI, Gyula, dr.

The October conference of the consulting unions of industrial
laws. Ujit lap 14 no.23:6-7 10 D '62.

PUSZTAI, Hedi

Some practical reading technology and technical book construction
at the Klement Gottwald Factory. Musz elet 17 no.21;Suppl:
Muszaki Tajekoztato 2 0 '62.

FUSZTAI, Jozsef

Mobile work - standing shop in the machine repair.
Mezogazd techn 2 no.8:22 '62.

Pusztai L.
SZEKI, J.; RAUSCH, J.; PUSZTAI, L.

New data on the absorption and elimination of cardiac glycosides.
Acta physiol. hung. 13 no.4:365-373 1958.

1. Pharmakologisches Institut der Medizinischen Universität, Budapest.
(DIGITALIS, metabolism
absorp. & elimination studies in cats (Ger))

PUSZTAI, L.

KOVER, A.; BALLA, L.B.; PUSZTAI, L.

Automatic apparatus for biological titration. Acta physiol. hung.
11 no.3-4:363-370 1957.

1. Physiologisches institut der medizinischen universitat, Debrecen.
(BIOCHEMISTRY, appar. & instruments
automatic appar. for titration of substances on surface
of isolated organs (Ger))

PUSZTAI, Mihaly

Lessons drawn from a parents' meeting. Repules 14 no.8:3 Ag '61.

1. Magyar Honvedelmi Sportszovetseg budapesti elnoksege kik.oszt.
vez.helyettese.

PUSZTAI, P.

Work by agencies of the Hungarian Shipping Society. p. 489.

(Kozlekedesi Kozlony. Vol. 13, no. 26, June 1957. Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

PUSZTAI, Pal

Laboratory investigation of wind tides in shallow water.
Vizugyi kozl no.4:516-518 '58.

HUNGARY

BELADI, Ilona, PUSZTAI, Rozalia, BAKAI, Marta, MUCSI, Ilona; Medical University of Szeged, Institute of Microbiology (director: IVANOVICS, G.) (Szegedi Orvostudományi Egyetem, Mikrobiológiai Intézet).

"Effect of Tannic Acid on Different Viruses."

Budapest, Acta Microbiologica Academiae Scientiarum Hungaricae, Vol XII, No 4, 1965/66, pages 327-335.

Abstract: [English article, authors' English summary modified] The effect of an aqueous solution of commercial tannic acid on different viruses has been examined. Herpesvirus hominis, Herpesvirus suis and type 3 of parainfluenza virus were found to be sensitive while poliovirus types 2 and 3, and adenovirus types 3, 4 and 6 were found to be resistant to tannic acid. Tannic acid appeared to have a virucidal action. When tannic acid was added to cells infected with Herpesvirus hominis, viral multiplication was enhanced rather than inhibited. A decreased sensitivity to herpesviruses was exhibited by cells treated with tannic acid prior to infection. The antiviral effect of tannic acid is thought to be related to the polyanionic nature of the compound. 2 Hungarian, 28 Western references. [Manuscript received 29 Jul 65.]

VICSAY, Margit; PUSZTAI, Rozalia; TOTH, Janos

Recent data on the effect of thiamine on acetylcholine activity.
Kiserletes Orvostud. 12 no.6:583-586 D '60.

1. Szegedi Orvostudományi Egyetem Elettani Intézete.
(ACETYLCHOLINE metab)
(VITAMIN B1 pharmacol)

SZORADY, Istvan; SZ.-né VICSAY, Margit; OBAL, Ferenc; PUSZTAI, Rozalia;
TOTH, Janos

Data on the effect of pantothenic acid on the isolated intestine.
Kiserl. orvostud. 14 no.3:281-286 Je '62.

1. Szegedi Orvostudományi Egyetem Elettani Intézete és Gyermekklinika.
(PANTOTHENIC ACID pharmacol) (INTESTINES pharmacol)

HUNGARY

PUSZTAI, Sandor, Dr., adjunctus; University of Veterinary Medicine, Department of Food Hygiene (Allatorvostudományi Egyetem Élelmiszerhigiéniai Tanszék) (chairman: CSISZAR, Vilmos, Dr, professor, doctor of Veterinary Sciences),

"Comparative Data on the Microbial Contamination of the Meat Surface of Animals Slaughtered on the Ground or Suspended."

Budapest, Magyar Allatorvosok Lapja, Vol 6, No 18, June 63, pp 244-247.

Abstract: [Author's Hungarian summary modified] Comparative studies were conducted on meat samples from 50-50 animals slaughtered by the two methods, respectively. Bacterial content of the samples was determined by Leistner's method using gelatinous agar and on Drigalski's and Edwards' culture media. Literature data and theoretical considerations advocate the suspended slaughter for obtaining minimal surface contamination. The investigations by the author indicated, however, that without improvement in the technical errors, in cleaning and in disinfection and prohibition of the use of cloth for wiping the meat, the meat obtained from suspended slaughter showed an even higher microbial contamination than that obtained from slaughter by the traditional method, on the ground. 8 Western, 2 Hungarian references.

1/1

PURIFIED Bacteria, etc., eggshell adjustment

Data on classifying sausages chopped very fine on the basis of
laboratory tests. Magyar Allatorv. Lap 19 no.5:127-132 Ky '64

1. Chair of Food Hygiene, University of Veterinary Medicine
(Head of Chair: Univ. Prof. Dr. Vilmos Csizsar), Budapest.

JOO, I.; PUSZTAI, Susanna; JUHASZ, Vera P.

A comparative study of the effectiveness of different standard pertussis vaccines. Acta microb.hung. 7 no.4:401-410 '60.

1. Institute for Serobacteriological Production and Research
"Human", Budapest.
(WHOOPIG COUGH immunol)

PUSZTAI, Zsuzsa

The 3d Hungarian Congress of Microbiology. Magyar tud 69 no.1:41-43
Ja '62.

1. Osztalyvezeto, Human Oltoanyagtermelo es Kutato Intezet

JOO, Istvan (Szallas u.5-7, Budapest X.); PUSZTAI, Zsuzsanna (Szallas u. 5-7, Budapest X.); JUHASZ P., Vera. (Szallas u.5-7, Budapest X)

A comparative study of the effectiveness of different standard pertussis vaccines. Acta microbiol Hung 7 no.4:401-410 '60.
(EEAI 10:5)

1. Institute for Serobacteriological Production and Research
"Human," Budapest.

(WHOOPIING COUGH)

(VACCINES AND VACCINATION)

HUNGARY/Electronics - The Application of Electronics and Vacuum H
Technique

Abs Jour : Ref Zhur Fizika, No 2, 1960, 4050

Author : Pusztay, Ferenc

Inst : -

Title : Electronic and Electron Optical Rangefinders

Orig Pub : Geod. es kartogr., 1959, 11, No 1, 40-50

Abstract : A review article. The operating principle, the functional characteristics, and block diagrams are considered for the rangefinders used in geodesy (geodimeters and terrameters), operating on the principle of polarization in modulation of light with a polarizing cell in the form of a Kerr cell or a quartz crystal. By way of illustration, the author considers several rangefinders of Swedish, Hungarian, and Soviet construction (V.A. Velichko and V.P. Vasil'yev). The principal attention is paid to electron optical systems, as being more

Card 1/2

- 74 -

HUNGARY/Electronics - The Application of Electronics and Vacuum. H

Abs Jour : Ref Zhur Fizika, No 2, 1960, 4050

accurate compared with electronic ones. Summary comparative tables are given for the results and for the measurement accuracies .

Bibliography, 24 titles. -- S.S. Chik

Card 2/2

PODOPLICHKO, I.G. [Pidoplichko, I.H.]; PUT', A.K., kand.biol.nauk

Facts and fables about ectopods. Nauka i zhyttia 8 no.2:22-24
F '58. (MIRA 13:5)

(Octopus)

15-57-4-4200

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 4,
p 24 (USSR)

AUTHOR: Put', A. L.

TITLE: A Comparative Collection of Recent Molluscs in the
Department of Paleozoology at the Institute of Zoology,
Academy of Sciences Ukr SSR (Stavnitel'naya kollektsiya
sovremennykh mollyuskov v otdele paleozoologii instituta
zoologii AN UkrSSR)

PERIODICAL: Zb. prats' Zool. muzeyu, 1954, Nr 26, pp 97-118

ABSTRACT: The paper gives a short list of species and source
localities of the gastropods and pelecypods of the
collection. V. A. Lindgol'm, V. I. Zhadin, I. V.
Danilovskiy, and others participated in identifying
the molluscs. no initials

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